

**P41 Principal Investigator Meeting**

**Monday, June 19, 2006**

7:30                    ***Continental Breakfast*** (Corridors Congressional Ballroom)

8:30                    ***Welcome PI's and New Centers*** (Congressional Ballroom)  
Dr. Joseph Lakowicz  
*University of Maryland, Baltimore*

**BIOTECHNOLOGY DEVELOPMENT**

8:30 - 9:30           ***Introduction - Opening Remarks***  
Dr. Barbara Alving  
*Acting Director*  
NCRR

Dr. Belinda Seto  
*Deputy Director*  
NIBIB

**CREATING BIOTECHNOLOGY FOR TOMORROW'S CLINIC**

**Metabolomics in Biomedicine**

9:30 - 10:00        ***Monitoring Drug Toxicity and Diseases in Metabolomics***  
Dr. Richard Beger  
*Branch Chief, Center for Metabolomics*  
*Division of Systems Toxicology*  
National Center for Toxicological Research, FDA

10:00 - 10:30       ***Comprehensive Metabolic Profiling for Understanding of  
Obesity and Diabetes Mechanisms***  
Dr. Christopher Newgard  
*Director, Sarah W. Stedman Nutrition and Metabolism Center*  
Duke University Medical Center

10:30 - 11:00       **Refreshment Break** (Corridor)

## **Medical Devices, Therapies, and Diagnostics**

11:00 - 11:30     ***Biomedical Devices and Stents: Biomaterials Discovery for the Clinic***

Dr. Joachim Kohn  
*Polymer Synthesis Laboratory*  
Rutgers University

11:30 - 12:00     ***Plasmon-Controlled Fluorescence: A New Paradigm in Biomedical Research***

Dr. Joseph Lakowicz  
*Center for Fluorescence Spectroscopy*  
University of Maryland

## **Medical Devices (Continued)**

12:00 - 12:30     ***Optical Coherence Tomography: From Laboratory to Clinic***

Dr. James Fujimoto  
*Laser Medicine and Biomedical Imaging*  
MIT

12:30 - 1:30       ***Lunch in the Hotel***

## **Computation: Modeling, Software, and Visualization**

1:30 - 2:00       ***SimBios: Physics-Based Simulation of Biological Structures***

Dr. Russ Altman  
*Stanford Center for Biomedical Computation: SimBios*  
Stanford

2:00 - 2:30       ***Integration of cryoEM and Modeling for Biological Nano-Machines***

Dr. Wah Chiu  
*National Center for Macromolecular Imaging*  
Baylor College of Medicine

2:30 - 3:00       ***Visualization Tools for Complex Biological Structures***

Dr. Tom Ferrin  
*Resource for Biocomputing, Visualization and Informatics*  
UCSF

3:00 - 3:30       ***Modeling of Nonlinear Multi-input/Multi-output Systems and Analysis of Spatio-Temporal Data Recordings***

Dr. Vasilis Marmarelis  
*Biomedical Simulations Resource*  
USC

**3:30 - 4:00**                      **Refreshment Break** (Corridor)

**4:00 - 4:45**                      ***Poster Session***

**4:45 - 5:45**                      ***P41 Center Highlights***

Dr. Michael Marron  
*Director, Division for Biomedical Technology Research and  
Research Resources*  
NCRR

Dr. William Heetderks  
*Associate Director for Science Programs*  
NIBIB

**PLENARY SESSION**

**5:45 - 6:45**                      ***Plenary Address***

Dr. John H. Marburger, III  
*Science Adviser to the President and Director of the Office of  
Science and Technology Policy*

**7:00**                                ***Working Dinner*** (Grand Ballroom)

## Tuesday, June 20, 2006

7:30 - 8:30            **Continental Breakfast** (Corridor)

### FEDERAL BUDGET

8:30 - 9:30            **Federal Science Budget**  
Dr. Mike Holland  
*Committee on Science*  
U.S. House of Representatives

9:30 - 9:45            **Coffee Break** (Corridor)

### NEW RESOURCE CENTERS

9:45 - 10:15          ***Glycomic and Glycoproteomic Measurements in Health and Disease***  
Dr. Milos Novotny  
*National Center for Glycomics and Glycoproteomics*  
Indiana University

10:15 - 10:45          ***Image Guided Therapy***  
Dr. Ferenc Jolesz  
*Resource for Image Guided Therapy*  
Brigham and Women Hospital

### P41 IDEAS AND ISSUES

10:45 - 11:45          ***PI Panel: Measuring Impact – New Methods***  
*Dr. Joachim Kohn, Dr. Chris Johnson*

11:45 - 12:30          ***NCRR PI's and NIBIB PI's and Program Officials***

12:30                    ***Lunch in the Hotel, Plans for Next Principal Investigator Meeting, Election of Meeting Organizers***